
Section 3: Appendices

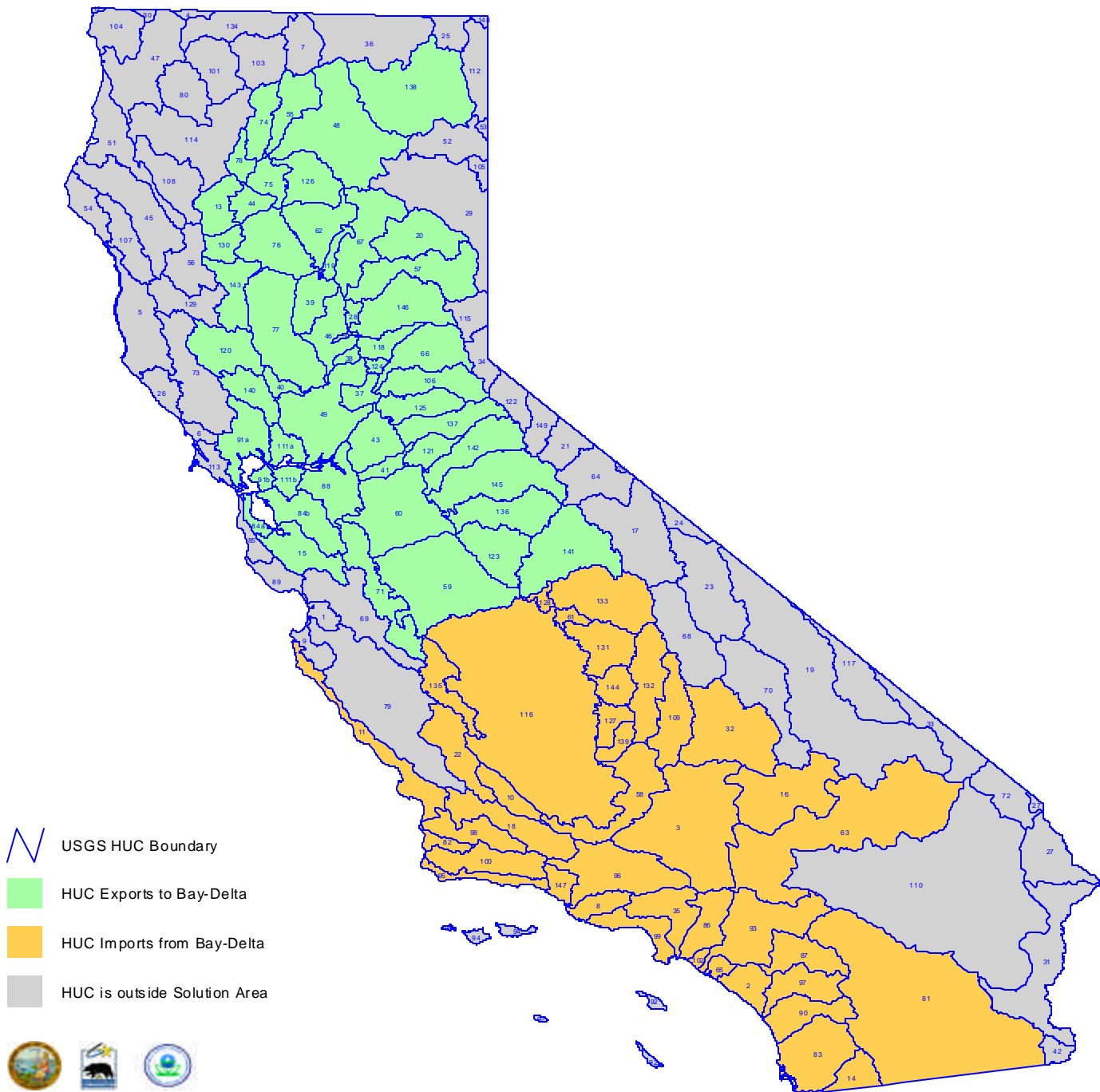
Appendix A – Watershed Map and List of Watersheds

Appendix B – Sample Work Plan

Appendix C – Sample Budget

Appendix A: Watershed Map (8-Digit USGS HUC)

Watershed Coordinator Grant Program Hydrological Unit Catalog



Watersheds are delineated by USGS using a nationwide system based on surface hydrologic features. This system divides the country into 21 regions, 222 subregions, 352 accounting units, and 2,262 cataloging units. A hierarchical hydrologic unit code (HUC), consisting of 2 digits for each level in the hydrologic unit system is used to identify any hydrologic area. The 6 digit accounting units and the 8 digit cataloging units are generally referred to as basin and sub-basin. HUCs are defined as the Federal Information Processing Standard (FIPS) and generally serve as the backbone for the country's hydrologic delineation. A watershed is your watershed is the 8 digit cataloging unit.

A Watershed Protection Approach is a strategy for effectively protecting and restoring aquatic ecosystems and protecting human health. This strategy has as its premise that many water quality and ecosystem problems are best solved at the watershed level rather than at the individual waterbody or discharge level. Major features of a Watershed Protection Approach are: targeting priority problems; promoting a high level of stakeholder involvement; integrated solutions that make use of the expertise and authority of multiple agencies; and measuring success through monitoring and other data gathering.

Spatial and tabular data compiled and presented by the California Department of Conservation, Division of Land Resource Protection. Source for Hydrological Unit Code boundary coverage is the United States Geological Survey. County lines produced by the Department of Conservation, Farm and Mapping and Monitoring Program from United States Geological Survey 1:100,000 scale topographic quadrangle maps. Copyright (c) 2003. California Department of Conservation. The Department of Conservation makes no warranties as to the suitability of this product for any particular purpose.

List of California Watershed Names and United States Geological Survey (USGS) Hydrological Unit Catalog (HUC) Codes

1. 18060011 Alisal-Elkhorn Sloughs; state(s): CA
2. 18070301 Aliso-San Onofre; state(s): CA
3. 18090206 Antelope-Fremont Valleys; state(s): CA
4. 17100309 Applegate; state(s): CA, OR
5. 18010108 Big-Navarro-Garcia; state(s): CA
6. 18010111 Bodega Bay; state(s): CA
7. 18010205 Butte; state(s): CA, OR
8. 18070103 Calleguas; state(s): CA
9. 18060012 Carmel; state(s): CA
10. 18060003 Carrizo Plain; state(s): CA
11. 18060006 Central Coastal; state(s): CA
12. 17100312 Chetco; state(s): CA, OR
13. 18020113 Cottonwood Headwaters; state(s): CA
14. 18070305 Cottonwood-Tijuana; state(s): CA
15. 18050003 Coyote; state(s): CA
16. 18090207 Coyote-Cuddeback Lakes; state(s): CA
17. 18090102 Crowley Lake; state(s): CA, NV
18. 18060007 Cuyama; state(s): CA
19. 18090203 Death Valley-Lower Amargosa; state(s): CA, NV
20. 18020122 East Branch North Fork Feather; state(s): CA
21. 16050301 East Walker; state(s): CA, NV
22. 18060004 Estrella; state(s): CA
23. 18090201 Eureka-Saline Valleys; state(s): CA, NV
24. 16060010 Fish Lake-Soda Spring Valleys; state(s): CA, NV
25. 18020001 Goose Lake; state(s): CA, OR
26. 18010109 Gualala-Salmon; state(s): CA
27. 15030101 Havasu-Mohave Lakes; state(s): AZ, CA, NV
28. 18020124 Honcut Headwaters; state(s): CA
29. 18080003 Honey-Eagle Lakes; state(s): CA, NV

30. 17100311 Illinois; state(s): CA, OR
31. 15030104 Imperial Reservoir; state(s): AZ, CA
32. 18090205 Indian Wells-Searles Valleys; state(s): CA
33. 16060015 Ivanpah-Pahrump Valleys; state(s): CA, NV
34. 16050101 Lake Tahoe; state(s): CA, NV
35. 18070105 Los Angeles; state(s): CA
36. 18010204 Lost; state(s): CA, OR
37. 18020111 Lower American; state(s): CA
38. 18020108 Lower Bear; state(s): CA
39. 18020105 Lower Butte; state(s): CA
40. 18020110 Lower Cache; state(s): CA
41. 18040004 Lower Calaveras-Mormon Slough; state(s): CA
42. 15030107 Lower Colorado; state(s): AZ, CA
43. 18040005 Lower Cosumnes-Lower Mokelumne; state(s): CA
44. 18020102 Lower Cottonwood; state(s): CA
45. 18010105 Lower Eel; state(s): CA
46. 18020106 Lower Feather; state(s): CA
47. 18010209 Lower Klamath; state(s): CA, OR
48. 18020003 Lower Pit; state(s): CA
49. 18020109 Lower Sacramento; state(s): CA
50. 18020107 Lower Yuba; state(s): CA
51. 18010102 Mad-Redwood; state(s): CA
52. 18080002 Madeline Plains; state(s): CA, NV
53. 16040204 Massacre Lake; state(s): CA, NV
54. 18010107 Mattole; state(s): CA
55. 18020004 Mccloud; state(s): CA
56. 18010104 Middle Fork Eel; state(s): CA
57. 18020123 Middle Fork Feather; state(s): CA
58. 18030003 Middle Kern-Upper Tehachapi-Grapevine; state(s): CA
59. 18040001 Middle San Joaquin-Lower Chowchilla; state(s): CA
60. 18040002 Middle San Joaquin-Lower Merced-Lower Stan; state(s): CA

61. 18030008 Mill; state(s): CA
62. 18020119 Mill-Big Chico; state(s): CA
63. 18090208 Mojave; state(s): CA
64. 18090101 Mono Lake; state(s): CA, NV
65. 18070204 Newport Bay; state(s): CA
66. 18020128 North Fork American; state(s): CA
67. 18020121 North Fork Feather; state(s): CA
68. 18090103 Owens Lake; state(s): CA
69. 18060002 Pajaro; state(s): CA
70. 18090204 Panamint Valley; state(s): CA
71. 18040014 Panoche-San Luis Reservoir; state(s): CA
72. 15030102 Piute Wash; state(s): CA, NV
73. 18010110 Russian; state(s): CA
74. 18020005 Sacramento Headwaters; state(s): CA
75. 18020101 Sacramento-Lower Cow-Lower Clear; state(s): CA
76. 18020103 Sacramento-Lower Thames; state(s): CA
77. 18020104 Sacramento-Stone Corral; state(s): CA
78. 18020112 Sacramento-Upper Clear; state(s): CA
79. 18060005 Salinas; state(s): CA
80. 18010210 Salmon; state(s): CA
81. 18100200 Salton Sea; state(s): CA
82. 18060009 San Antonio; state(s): CA
83. 18070304 San Diego; state(s): CA
84. 18050004 San Francisco Bay; state(s): CA
85. 18050006 San Francisco Coastal South; state(s): CA
86. 18070106 San Gabriel; state(s): CA
87. 18070202 San Jacinto; state(s): CA
88. 18040003 San Joaquin Delta; state(s): CA
89. 18060001 San Lorenzo-Soquel; state(s): CA
90. 18070303 San Luis Rey-Escondido; state(s): CA
91. 18050002 San Pablo Bay; state(s): CA

92. 18070107 San Pedro Channel Islands; state(s): CA
93. 18070203 Santa Ana; state(s): CA
94. 18060014 Santa Barbara Channel Islands; state(s): CA
95. 18060013 Santa Barbara Coastal; state(s): CA
96. 18070102 Santa Clara; state(s): CA
97. 18070302 Santa Margarita; state(s): CA
98. 18060008 Santa Maria; state(s): CA
99. 18070104 Santa Monica Bay; state(s): CA
100. 18060010 Santa Ynez; state(s): CA
101. 18010208 Scott; state(s): CA
102. 18070201 Seal Beach; state(s): CA
103. 18010207 Shasta; state(s): CA
104. 18010101 Smith; state(s): CA, OR
105. 16040203 Smoke Creek Desert; state(s): CA, NV
106. 18020129 South Fork American; state(s): CA
107. 18010106 South Fork Eel; state(s): CA
108. 18010212 South Fork Trinity; state(s): CA
109. 18030002 South Fork Kern; state(s): CA
110. 18100100 Southern Mojave; state(s): CA
111. 18050001 Suisun Bay; state(s): CA
112. 18080001 Surprise Valley; state(s): CA, NV
113. 18050005 Tomales-Drake Bays; state(s): CA
114. 18010211 Trinity; state(s): CA
115. 16050102 Truckee; state(s): CA, NV
116. 18030012 Tulare-Buena Vista Lakes; state(s): CA
117. 18090202 Upper Amargosa; state(s): CA, NV
118. 18020126 Upper Bear; state(s): CA
119. 18020120 Upper Butte; state(s): CA
120. 18020116 Upper Cache; state(s): CA
121. 18040011 Upper Calaveras; state(s): CA
122. 16050201 Upper Carson; state(s): CA, NV

123. 18040007 Upper Chowchilla-Upper Fresno; state(s): CA
124. 18020127 Upper Coon-Upper Auburn; state(s): CA
125. 18040013 Upper Cosumnes; state(s): CA
126. 18020118 Upper Cow-Battle; state(s): CA
127. 18030005 Upper Deer-Upper White; state(s): CA
128. 18030009 Upper Dry; state(s): CA
129. 18010103 Upper Eel; state(s): CA
130. 18020114 Upper Elder-Upper Thomes; state(s): CA
131. 18030007 Upper Kaweah; state(s): CA
132. 18030001 Upper Kern; state(s): CA
133. 18030010 Upper King; state(s): CA
134. 18010206 Upper Klamath; state(s): CA, OR
135. 18030011 Upper Los Gatos-Avenal; state(s): CA
136. 18040008 Upper Merced; state(s): CA
137. 18040012 Upper Mokelumne; state(s): CA
138. 18020002 Upper Pit; state(s): CA
139. 18030004 Upper Poso; state(s): CA
140. 18020117 Upper Putah; state(s): CA
141. 18040006 Upper San Joaquin; state(s): CA
142. 18040010 Upper Stanislaus; state(s): CA
143. 18020115 Upper Stony; state(s): CA
144. 18030006 Upper Tule; state(s): CA
145. 18040009 Upper Tuolumne; state(s): CA
146. 18020125 Upper Yuba; state(s): CA
147. 18070101 Ventura; state(s): CA
148. 17120007 Warner Lakes; state(s): CA, NV, OR
149. 16050302 West Walker; state(s): CA, NV



Appendix B: Example Work Plan Form

Applicant: XYZ Watershed Group
 Watershed Name: XYZ River

Watershed Goal: Improve water quality in the XYZ River watershed

Objective 1: Reduce nonpoint source pollution entering watershed

Performance Measurement: Nonpoint source contaminants in watershed reduced by (blank)%

Task #	Description of task	Task Completion	Implementation Schedule:
1.1	Identify nonpoint source contaminants and establish baseline monitoring data	Database established	Month 2004
1.2	Identify nonpoint source pollution sources	Minimum of # sources identified	Month 2004
1.3	Work with partners to identify priority areas and develop action plan	Action plan completed	Month 2004 – Month 2005
1.4	Work with partners and landowners to develop management plans	Minimum of # plans developed	Month 2005
1.5	Write and submit grant proposals to fund implementation of best management practices	Submit a minimum of # proposals.	Month 2004 – Month 2006
1.6	Develop new partnerships to help fund and implement management plans	# partnerships developed and # dollars obtained	Month 2004 – Month 2006
1.7	Work with cities and other organizations to conduct nonpoint source workshops for homeowners	# workshops conducted	Month 2006
1.8	Recruit and train volunteers for water quality monitoring	# volunteers recruited and trained	Month 2004 – Month 2006
1.9	Evaluate effectiveness of best management practices and outreach workshops by collecting water quality data	3 years of monitoring data collected	Month 2004 – Month 2007

NOTE: This work plan is only a generic example; actual work plans should contain multiple objectives and address actual watershed issues.



Appendix C: Example - Budget Form (page 1)

Applicant: Eagle Nest River Watershed Council (ENRWC)

	Total Budget	DOC Grant	In-Kind Match	Cash Match	Footnote [Explain on page 2]
Salaries and Wages For each position list: ____ hours @ ____/hr					
Watershed Coordinator (Only authorized position for funding) 6,240 hrs @ \$22/hour (3 yr avg)	137,280	102,960		34,320	1
Benefits for Watershed Coordinator	28,002	21,001		7,001	2
Hydrologist (Match Only) 200 hrs @ \$25/hour	5,000	N/A	5,000		3
GIS Technician (Match Only) 200 hrs @ \$20/hour	4,000	N/A	4,000		4
Equipment					
Computer (desktop)	1,500		1,500		5
Testing, sampling materials	250	250			6
Digital Camera	300			300	7
Operating Costs					
Mileage (.34 per mile)	5,100		5,100		8
Printing	1,000	1,000			9
Postage	1,850	1,850			10
Office Supplies	1,000			1,000	11
Rent	7,200		7,200		12
Workshop attendance	1,500	1,500			13
Reference materials	500			500	14
Telephone services	1,650			1,650	15
Subtotal	196,132	128,561	22,800	44,771	
Administration	19,284	19,284			16
TOTAL	215,416	147,845	22,800	44,771	
Match Percentage Provided	N/A	N/A	15%	30%	N/A

Example - Budget Form: Footnotes (page 2)

Footnote	Description/Explanation	Support Documents Attached (Yes/No)
1	Watershed coordinator salary for a 3-year period. Year 1: 2080 hours @ \$ 21/hr; Year 2: 2080 hours @ \$22/hr; Year 3: 2080 hours @ \$23/hr. Will provide match using organizational funds. Letter of commitment attached from XYZ Watershed Group.	Y
2	Social Security/Medicare - \$137,280 * 7.65% = \$10,502; Health Care 36 mo * \$200 = \$7,200; Worker's Comp - \$137,280 * 5.5% = \$7,550; State Unemployment Insurance - \$137,280 * 2% = \$2,750. Letter of commitment attached from XYZ Watershed Group. Total Benefits = \$ 28,002 (approximately - 28,002/137,280 = 20.4%)	Y
3	Hydrologist: 200 hrs @ \$25/hour (includes benefits). Letter of commitment attached from County.	Y
4	GIS Technician: 200 hrs @ \$20/hour (includes benefits). Letter of commitment attached from partner ABC.	Y
5	Will provide computer that the organization already owns. Contacted local computer shop. Rental cost is \$50/month. 36 months @ \$50 = \$1,800; Maximum authorized amount is \$1,500.	N
6	Water Quality Testing kits to be used by the watershed coordinator to conduct water testing and to provide training.	N
7	Purchase digital camera to document restoration efforts, workshops, meetings, etc. Letter of commitment attached from XYZ Watershed Group.	Y
8	15,000 miles @ 34 cents/mile. Letter of commitment attached from ABC federal agency who will provide a vehicle for the watershed coordinator	Y
9	10,000 copies printed @ .10 cents each = \$1,000	N
10	5,000 items (agendas, meeting notices, reports, etc.) mailed @ .37 cents = \$1,850	N
11	Will provide office supplies valued at \$1,000 over the 3-year period using organizational funds. Letter of commitment attached from XYZ Watershed Group.	Y
12	Total office space = 2000 sq ft. Watershed coordinator will be using about 10% of the space or 200 square feet. Value is 200 sq ft @ \$1/foot = \$200/mo * 36 months = \$7,200. Letter of commitment provided by ABC federal agency.	Y
13	The watershed coordinator will be attending watershed related workshops and seminars every year. \$500/yr * 3 years = \$1,500	N
14	Will purchase reference materials valued at \$500 over the 3-year period using organizational funds. Letter of commitment attached from XYZ Watershed Group.	Y
15	Will provide a telephone. 36 months @ \$50/mo = \$1,650 Will provide match using organizational funds. Letter of commitment attached from XYZ Watershed Group.	Y
16	\$128,875 (DOC Subtotal) * 15% (authorized maximum) = \$19,284	N